



RAW SEQUENCE LISTING ERROR REPORT

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Application Serial Number: 09/404,520A
Source: 1600
Date Processed by STIC: 1/7/2004

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1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
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Revised 10/08/03



1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/404,520A

DATE: 01/07/2004
TIME: 12:07:42

Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
Output Set: N:\CRF4\01072004\I404520A.raw

2 <110> APPLICANT: Cao, Yongwei
3 Ghodssi, Azita
4 Hinkle, Gregory J.
5 McIninch, James
6 Timberlake, William E.
7 Yu, Jaehyuk
9 <120> TITLE OF INVENTION: Emericella nidulans Genome Sequence and Uses Thereof
11 <130> FILE REFERENCE: 38-10(15498)A
OK> 13 <140> CURRENT APPLICATION NUMBER: US/09/404,520A
OK> 13 <141> CURRENT FILING DATE: 1999-09-23
E--> 13 <160> NUMBER OF SEQ ID NOS: 44345 44347 (p.14)

pp 1-16
Form Not Comply
with all of the
above
Requirements
and
therefore
is shown

ERRORED SEQUENCES

1357 <210> SEQ ID NO: 24
1358 <211> LENGTH: 1314
1359 <212> TYPE: DNA
1360 <213> ORGANISM: Aspergillus nidulans > 2207
1362 <223> OTHER INFORMATION: unsure at all n locations
OK> 1363 <400> SEQUENCE: 24
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1555 <211> LENGTH: 1135

1556 <212> TYPE: DNA

1557 <213> ORGANISM: Aspergillus nidulans

12207 insert

1559 <223> OTHER INFORMATION: unsure at all n locations

1560 <400> SEQUENCE: 28

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1566 ctggtaacc tgggacggaa gttcttggat gccccgtgtgg agcgctctgat gattgagtcg	180
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1576 cgggctgagt gagttgggtgg aaactgctca gttgtttaa caaaattcag tcccgcttga	480
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1580 acaaggccctg atttttgcag gaatttaaag ggtggatgg gtttagacaa attttgceta	600
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1596 taacttcatac attcttcgt actaatcact gttgtctacat acttcttcg caactttcat	1080
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1920 <211> LENGTH: 1059

1921 <212> TYPE: DNA

1922 <213> ORGANISM: Aspergillus nidulans

12207 insert

1924 <223> OTHER INFORMATION: unsure at all n locations

1925 <400> SEQUENCE: 33

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1931 agctaggcct gaaaaccgc cccaaaccgt gtttacaaat gtctactgtc ggggtgc当地	180
1933 gatatctgaa taggtatatt actgttattt gattatattt tcttacttag atagttataa	240
1935 ttcgttattt taaatacagt attttattaa ctatgttagat cactgttatt tagagtaatg	300
1937 atatgcataa ctgggttattt ttgggttattt taggttaggt tagaatttatt tgctaaaccc	360
1939 atggccgtt tactgttgc gtaaccacc ccagaaacca cgtggcaga tcaactggc	420
1941 ctgaaaaccc gcccccaaccc gttgtttaac aagtctacc accgggttgc tccgcccggc	480
1943 ttgggtcag cctaaaatccaaagccca atggattt agaaggacta acccaaccc	540
1945 tagtttaca agtttagat tgaatttact aagtttagct tcaactgtc aaatacgtt	600
1947 cacatgaaaa atccctcgatc agtcaatgtcc cccctcttc tcatcaatca gacaatcac	660
1949 cggaaaaaga gtcacaagac cttatgtcca ccccccata tcccgact gcatccat	720
1951 cccaaacccccc ctcacatgtc acaaacccttccaa aataactctc cccaccctgt ccccgaccaa	780
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1955 gtttccattt ctgcgggtac acgcgcctgt agcggtggcga catccaaatg gttgtccggag	900
1957 ataggtccgg ctcaaacacgt tcgttggctt caagcgatata tgcgttagag ttgcggccggg	960
1959 gttggatgtt aaccctcggtt ctgtaaaaaa gtacaaacgtt gcccgttgc ttgttagcagn	1020
1961 ggtgttgcata tccgggggtca ggaatgtc gaggatgag	1059

W--> 1959 gttggatgtt aaccctcggtt ctgtaaaaaa gtacaaacgtt gcccgttgc ttgttagcagn 1020

1961 ggtgttgcata tccgggggtca ggaatgtc gaggatgag

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2060 <210> SEQ ID NO: 37

2061 <211> LENGTH: 1205

2062 <212> TYPE: DNA

2063 <213> ORGANISM: Aspergillus nidulans *insert 12207*

2065 <223> OTHER INFORMATION: unsure at all n locations

①E--> 2066 <400> SEQUENCE: 37

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2072 ccctggaaaa	tagccggag	caactccatc	ctccttatcaa	cttcatctcc	tafcgaggcc	180
2074 taaagacaag	ctcgccaaga	tttccgcctt	gacgaccttc	ccccaggaaa	acatgtccct	240
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2078 acttcttca	aaatcttctt	gagttttcct	accaaggact	agacactgca	tttgaatgat	360
2080 ggtgttggcg	ctgaacgggc	ttccacttac	tgttcggcag	tctgttatgg	taggacgcct	420
2082 gaaatcgccg	atgggtacta	tcgggactgg	accaggcgc	aaaaccgc	tcggtagatt	480
2084 ataattatgg	gacatgatac	atacttggaa	tacaggttct	ctaagatatg	acttgctg	540
2086 attatcccct	atccatgatc	ctggctcgca	ggaatggtgg	cccggttcga	gaccaggta	600
2088 atctgcgtta	ggcagaata	ttaaatggag	tctcagctcc	tgttaaacaa	tattgattga	660
2090 catctagggg	tgcacttgct	gcgggttggg	tacaacctgc	agggtttgaa	atctgcccgc	720
2092 gcgggttgc	gggttctacc	gcbcaggtt	aaaaaaataca	taaaaataca	taattttcat	780
2094 agttttcaca	atattataca	tctttatagt	attttatgca	cttttgtgaa	tatataatgt	840
2096 tttttatcta	tttttctacc	cgcgcaatgc	ccgcaaaacct	gcatgtattc	cccttattaga	900
2098 accccgcaac	ccgcgcggac	tgctaattt	caaaccctca	atgcactgct	gtgggttggt	960
2100 atggtggcct	gctgcagggt	gcagtgcggg	ttgacaatcc	tattgacatc	attagtaaca	1020
2102 tagaagtgtc	atgtaacgct	ctttagtgc	accaagtgt	caggataaac	cactggctgg	1080
2104 tgtcgaccag	agaagacctc	ctcttactaa	tcaacatcca	gcacctcgct	cgtccaaatca	1140

W--> 2106 tacgaggcaa tcacaccgccc atagcgantt gcaactatct atataactaac tgaattatct 1200
1205

2108 actga

2405 <210> SEQ ID NO: 45

2406 <211> LENGTH: 809

2407 <212> TYPE: DNA

2408 <213> ORGANISM: Aspergillus nidulans *insert 12207*

2410 <223> OTHER INFORMATION: unsure at all n locations

②E--> 2411 <400> SEQUENCE: 45

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2417 gtccttgcc	tatacacgga	ccttagacct	tagtgcactc	gccaaggctt	gcgctgtcct	180
2419 gaaggtgtg	agccacctat	aagacttcct	cacaacaaca	atccttctt	ctcatttctt	240
2421 cttagcgat	tccttcttgc	acgtacggca	cgtttagata	ggaagatcca	tctaaatacg	300
2423 tcccttaaca	tatcacaagc	ttagagaaag	aaataaaaga	tagaagtgc	gatatcttcc	360
2425 tcctccctt	atcaacctt	ctgacttccc	ggacctgtat	gccgacggat	cccttgcgc	420
2427 aagttatgag	gatggatctc	ctttcttaag	cttcgaggcc	gcaatccaa	ggctgtatac	480
2429 ttagatgtca	gaaaccttat	ttagaactgg	gttggggca	tagctggca	ccaaatcaag	540

W--> 2431 gccatagcct gtgacaattttaact gctttaaaat aattttataata tattttctat 600

2433 attactggat	aattttacta	ttaattaagc	agtttataag	aaatataatgt	taatctatct	660
2435 aagtgtctt	caaaaataaa	agtttataata	ttactagaaa	attgtatata	taataaaagct	720
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2462 <210> SEQ ID NO: 47

2463 <211> LENGTH: 6877

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 2465 <213> ORGANISM: Aspergillus nidulans *l2207*
 2467 <223> OTHER INFORMATION: unsure at all n locations
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 2474 tcatcgccgc ggcgtgggtt cagctagacc aggttactgg tgcattgtt acatagggtt 180
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2612 aggatcatga ttatcattt caccagccatg taccaacaag gacacgacgc ttcttttgc 4320
2614 gtctgagtca gaaacttaggg agttggggat gtcgtgtcta cagctcaatc tgcaaccacg 4380
2616 gggatgtcca tgggttgcgtt cttttttttt cttttttttt cttttttttt cttttttttt 4440
2618 cgagaaaaga atggctgtatc actgttactg tacgtatggc acgaaacgtt atgtatcaca 4500
2620 gaaagataat attccgaaac tttttttttt attttttttt attttttttt attttttttt 4560
2622 agtgttagagg agttttttttt ggggttgcgtt cttttttttt cttttttttt cttttttttt 4620
2624 tttttttttt attttttttt attttttttt attttttttt attttttttt attttttttt 4680
2626 tagtacccac tgggttgcgtt cttttttttt cttttttttt cttttttttt cttttttttt 4740
2628 gaaatgttgcgtt cttttttttt cttttttttt cttttttttt cttttttttt cttttttttt 4800
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2632 tttttttttt cttttttttt cttttttttt cttttttttt cttttttttt cttttttttt 4920
2634 ggggttgcgtt cttttttttt cttttttttt cttttttttt cttttttttt cttttttttt 4980
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2640 tttttttttt cttttttttt cttttttttt cttttttttt cttttttttt cttttttttt 5160
2642 cttttttttt cttttttttt cttttttttt cttttttttt cttttttttt cttttttttt 5220
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2648 tttttttttt cttttttttt cttttttttt cttttttttt cttttttttt cttttttttt 5400
2650 tttttttttt cttttttttt cttttttttt cttttttttt cttttttttt cttttttttt 5460
2652 tttttttttt cttttttttt cttttttttt cttttttttt cttttttttt cttttttttt 5520
2654 tttttttttt cttttttttt cttttttttt cttttttttt cttttttttt cttttttttt 5580
2656 tttttttttt cttttttttt cttttttttt cttttttttt cttttttttt cttttttttt 5640

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2658 ggctccaaga ctggcttcaa aataagaat acctccatgt gctagctgtg gagggttcag 5700
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 2662 gcacgacccc agataggaaa tcagaaaggt gtatatatgc cctcggggaa taggctgtca 5820
 2664 cctggacaa ccccaatact gtggtataaa atgcataaag gcacaaggta ataaggatgc 5880
 2666 tgcttatgag gagaaccag cttaggttatac tctgggtgtg aaaaaacgaa ttgtcctaaa 5940
 2668 tatacaagac tgggtggta gtcaggaagg gctacctact gttacagatg gttgacctct 6000
 2670 caaggctccc taacccaggg gaactctgtc gtgagcttgc aatctgtatt aacttaccaa 6060
 2672 atctctcttg tacaaccac atccaaaccag tggatgtaa tgggcggaaa gtctgctt 6120
 2674 gatcagctgc aagaatgtat caaatagaga tattagaaca aactctctgt attgctt 6180
 2676 aattagaagg gcgtacgaca ctagactgtt attataagca aatacgtcag gcgaccatag 6240
 2678 attgacaaat ggatgtcgt gacttattac caaggagcat tccgcgaag atatgcctt 6300
 2680 ccagaagagc ctggcgttac ccagtgttag ttttattact cataatataa gacaaatgt 6360
 2682 attgcggccc aagatagaca gagcattcgc ccattctact ctgtgcataa gttccctcca 6420
 2684 gcctaaaaga aacacctta agttgggtat ttacagcaga ttgcgttac ttgactgtct 6480
 2686 caggcatcag gcccaggctt gcccataa gttggccca aatgggtt atactggtaa 6540
 2688 ttatgtgtc caattcttc agtctgttgc agatatggtc cagataccca cgtcaacag 6600
 2690 acacacgcct atcatttggc cctatatttgc cgcactgtt gattcgaac ttctggaaagg 6660
 W--> 2692 **tcaagaaata ccggatggc ccgcacccctt gctgtgcgtc ttcacncgac gtatccgtt** 6720
 2694 agagccatcc ttatgggcg tggctgttc ggcgatagct ggctttcgg gatgttcgac 6780
 2696 aggttaagtgc ttctgttac acctctcgat aagccttctt aaagatatta tgaggaatag 6840
 2698 cttcatgcac tcattttga gccgaaatga ctgtcac 6877
 2777 <210> SEQ ID NO: 51
 2778 <211> LENGTH: 404
 2779 <212> TYPE: DNA
 2780 <213> ORGANISM: Aspergillus nidulans *insert 12207*
 2782 <223> OTHER INFORMATION: unsure at all n locations
 2783 <400> SEQUENCE: 51
 2785 atcaccaact ccgcgaacg ggtctcccg gtcatggcca gactcagggtt tggatggccaa 60
 2787 aagcttcccg gaatatccca aggaacaatc cgttgcataa caggccaggc gaatgggtgt 120
 2789 aacctcgatc ctactggaaa cgaacagtga gcattgcgtc ttcaatgcct gcccataaaa 180
 2791 caaatcaatt tctctctttt acttgaggcc ttcttgctc gcgttgaatg cggcaatcga 240
 W--> 2793 **ctgactgacg taaaacaacg gtcgggggg accnctgaac tgattcgtcc ttctgttca** 300
 2795 gaagacgcgt ggtctgaccg cgtatccca ggttgcggat aacactgtca gtcatacgta 360
 2797 gtaaacatc tagcgtggac tgaagggtt acaagctggta ttga 404
 7700 <210> SEQ ID NO: 80
 7701 <211> LENGTH: 3496
 7702 <212> TYPE: DNA
 7703 <213> ORGANISM: Aspergillus nidulans *insert 12207*
 7705 <223> OTHER INFORMATION: unsure at all n locations
 7706 <400> SEQUENCE: 80
 7708 agacgatctc agcccgctgg cctaaaactc gcggtggcct gactaggta ttatgggg 60
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 7712 ccaagccgtt cccgctgcgt taagatggct atagcgctc ttcttcctt ggtgcacgc 180
 7714 tagcagaccg cacacgtcat cccttgcattt gtcattgggg ttctcgagaa attattctt 240
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 7718 acggtaaca tctggggtcg atcctgagga aggacacagc catgaaatttgc gatggatcg 360
 7720 tcatacgatc ccaatcacgt ccaggctttt caggcaagcc tatgccttat agacataa 420
 7722 gagtagacgtc cgaatgccga aattcgctca aaagttctca cagagcctct agcgccaaatg 480
 7724 cttagcgcctt cgcttagcgc gactcgaga tcccccattctt cttccctcaa tctggttacc 540

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7726	ttccgtgccc	tggcgcccta	gcaggcgac	ttgattttgc	aacagcacag	ccaggatgg	600
7728	gccaaggagg	ggagtccggg	gctgcgttc	tagcggcgaa	tacgaagtac	ttgagagcac	660
7730	cgttccctg	ttgatccatc	ctgtccgact	ttttcttctt	gcgggacagc	cgtcgactc	720
7732	gggtgacag	gatgttatta	cctcgacatt	tccggcgact	agtcgcccgtt	gcatcatgc	780
7734	tcacaatct	catcaactgg	catctactgc	ggaagacaca	tggaccggct	gtggctgatg	840
7736	cgcgggcgca	atatccacgg	atcgcaaagt	acatagaggg	tggaaagggg	agcggcggtg	900
7738	gtgagtcctc	tgtcgatct	cttgcggatc	ttgagaagca	gcgtggctga	cctactctca	960
7740	tgcaatagcc	tggcatctcc	cgtcaacatg	gactgaaacc	ccgaacacgc	ccgtcaacga	1020
7742	tgtcgctcgca	gccccgcac	tggctctaaa	ccgctcgagc	aacgaccctt	ccggccacct	1080
7744	tccgcactcc	aacatcccc	ggatcatcca	tcaaacatgg	agagatacca	gttgcgagaa	1140
7746	atggcgacca	aagtaccagg	cgagcgtgga	gaaatggctg	cgcgtggctg	aagaggagga	1200
7748	tatcccgta	ctattttggg	atgatgccgg	agtcgctcaa	ttcatgcgaa	ccttgagcc	1260
7750	gaatctttag	gccccgatct	acggcctgcc	gagtcgggtt	gagcgtctgg	atgtatttcg	1320
7752	cgtgctgggt	tgcaagtgg	tccgggtgt	tgtaagccct	ccagctctt	ttgcctttt	1380
7754	tctctgactt	gctgacaaga	tgcatctgt	gtacgttgac	atggacacccg	agcccatccg	1440
7756	gtcgctact	gaatggatca	tgcccaccga	cctaattccc	tggaccgacc	agaagacaag	1500
7758	caaactttat	cactctacgc	aagctgtcaa	cgccatcgtc	ggcatcgaag	cagacacaaa	1560
7760	ccctgacact	gacacact	ggcgcattgg	ctacttctt	cccatccaa	tcacccagtg	1620
7762	ggcattcgca	ttcgccgcgc	accacccct	cctacaatc	ttcatcgacc	ggcttcacga	1680
7764	gaccatccga	ctcgtcacaa	gggatcagca	gctgctgccc	gaatccgagc	agagcggcgc	1740
7766	ggcctggact	gggtcgaccc	tgtgacac	accggcccg	ttgcattcac	cgacagtg	1800
7768	cgcacgtatc	tggccggaa	ggctgatctg	cgttggaaac	cgctcaccgg	actgcatgac	1860
7770	gacgtaaga	caaagcttgt	cgaggacgtg	cttgccttc	cgatcaccgg	cttcagecc	1920
7772	ggcagcgcgc	gttccgtaa	tatgggctcg	aagcctgtca	ctgatccctc	ggcacgactc	1980
7774	taccatcag	ccgagggttc	gtggccgcat	tggagtctga	gagtcgagat	ggcaagttt	2040
7776	tgccgcacag	cgttggct	ctgtaaagac	tggtcgaagg	tgtcaatgg	ggacggttgg	2100
7778	atttctgtat	gctgatgtat	atgcgtttt	acgacctcta	tacccttgc	gtttgttat	2160
7780	attaggacga	tatttaatca	tgtatagac	ctcgatgcac	gaatgaatag	aatgacttct	2220
7782	acctgcagct	ccaggtcg	agcccttgc	caaacttca	agagccggag	gcgcagtcg	2280
7784	ggacacactgc	cgcaagctcc	ttgactctt	caggctttag	atggacgagg	ctataaacgg	2340
7786	cccccatgt	gcatcgctac	gcgcagcag	ctatacgca	ccgctggtgc	gactaaccag	2400
7788	tatgtagaaa	gttgcgtcc	tcatgggagc	ggcacatgg	ttactgtaa	gttccacacag	2460
7790	cgcacattgg	ctggctcg	ctctgatgg	aactcaaggc	atggctat	tcccaattt	2520
7792	agcttacagt	acgtagaaac	cttgcgt	tcaagctacc	aataactgagc	aaatcttat	2580
7794	gatctgtctc	gaccggggcc	ttgtactcg	taactgggag	ctaaagctc	cacaatgacg	2640
7796	aaatttgc	cacctgttt	ccagatacc	gcccgtccc	aagaagaaat	atcaagccag	2700
7798	cagagcgact	gctggggctg	ttgtaagct	agtccactgg	tccattca	ggaaagccg	2760
7800	tggaaatcag	gcaacgggtc	gagtaactcg	cgcttccaa	caacgcctg	ctgaacggac	2820
7802	ggaattttt	ttgccaact	gttgcgtat	catggatag	agtcgtc	cttgcgttgt	2880
7804	ttggatcc	gaaagacatc	caacagcccc	tcacaatcg	gccatctcat	ctgttcttac	2940
7806	gattcccaat	ccaacga	ttggatattc	ggtagagac	tcccaacgac	ggatacactt	3000
7808	tgcaaggcac	tctgctt	cgtccgtcg	cacatctgtt	cctgtattcc	tcccttatgt	3060
7810	tcactttcat	cggtgactt	agccatgc	gagttctagg	tacatgc	agggtaaact	3120
7812	cagcagaggt	tgcattag	tattcattt	gtacacattc	caatcccg	ctcgacacta	3180
7814	tccttccat	cacagtactt	tacctaggag	ctgttctact	acatagatgt	cagagccgg	3240
7816	gctgtgtgag	aatgctgg	ccaacagacc	actgcacat	agagcacatc	ctgcttcaa	3300
7818	agagaacggg	caaagtat	tcagcggac	cctcagcagg	ctcgctgt	gctccttgc	3360
7820	gacccaatca	acaagcgaaa	atcaatacg	aatgccat	ttcatcatag	ttcatcatag	3420
7822	tccataataa	tttgattqac	tctcatgac	gtgtcngatt	ngcagcttcc	aacgtattt	3480

W--> 7822 tccataataa ctgttgc tctcatgagc gtgtcngatt ngcagttcc aacgtattta 3480

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7824	ggtcatccct	tataac	3496				
8081	<210>	SEQ ID NO: 84					
8082	<211>	LENGTH: 674					
8083	<212>	TYPE: DNA					
8084	<213>	ORGANISM: Aspergillus nidulans	<i>rslit 12207</i>				
8086	<223>	OTHER INFORMATION: unsure at all n locations					
E--> 8087 <400> SEQUENCE: 84							
8089	gaataaacct	actaaaggga	tcagggcggt	gagcacccgt	gataacctgg	tatagtctca	60
8091	tctaacgcgg	gaattgtctc	gttcgggcat	gtcaaggacg	ttacgcccaga	tgtatgcgtc	120
8093	ccatctcctt	acgaaaagtcc	tgttagagctc	tgacccctcagc	aggaattcga	ccgagtattt	180
8095	cgggtcaaca	cgcgcggaca	gttttcgtc	gcccgcgagg	cgtatcgcca	tctgcgtgaa	240
8097	ggcggacgc	tcatcctcac	aagttccaa	acagccacgc	tcaaaggcgt	ccccaggcac	300
8099	gctgtgtact	cgggctctaa	ggggcgatt	gacacccttg	tgccgtgcct	agctatcgac	360
8101	tgcggcgaca	agaagatcac	ggtaacacgc	gtcgctcccg	gcgccatcaa	gaccgatatg	420
8103	tttataatccg	tgtcgcgaga	gtatatcccc	aatggggaga	cttttactga	tgacgggtg	480
8105	gatgaggtac	gtttgtctt	gtgtctagta	tctacggcgg	ctgctaactg	gacagtgtgc	540
8107	cgcgtggctg	tcgcccctaa	atcggtcg	attaccgggtt	gacgtggccc	cggtgtcag	600
W--> 8109 ctttctagct tcagatgcng ccgnattgtat cagtgaaaag attattggcg ttgatgggg							
8111	gcctttagat	aaggc					674
9218	<210>	SEQ ID NO: 108					
9219	<211>	LENGTH: 1395					
9220	<212>	TYPE: DNA					
9221	<213>	ORGANISM: Aspergillus nidulans	<i>rslit 12207</i>				
9223	<223>	OTHER INFORMATION: unsure at all n locations					
E--> 9224 <400> SEQUENCE: 108							
9226	gacgcatgag	tccagctgat	ctcgatgca	atacaacgcc	cgtcctat	tttctatca	60
9228	tggctctgagg	gggtcgagcc	tatgacgtga	atgataggaa	ctatgaatag	atcttagattc	120
9230	ccgacatggc	cagaatccat	gctgcgtga	cgccactcgg	gatctctatc	gaaaactata	180
W--> 9232 gcgacanat catggacgta ctcaggcttc gggctcgcg atcagctacc gagccgaaaat							
9234	ctgaagcaag	ttgaatttgc	aatatccctc	ggaatgagaa	gcctagtg	cggaagatgt	300
9236	acctggtctt	taccgaatca	agaccgattt	ccggatgag	gcccgtgtt	ctttcgtagc	360
9238	catttcaaga	gacaccagac	aggagccgt	acataccgc	tgtgaaacta	ccttagcaga	420
9240	cgttgcggaa	tcatatcaga	tgtatgacat	gcatgaatta	ttcctcattc	taccctagtt	480
9242	ccgtactat	ttgtactac	caccggcaaa	ctgggacgcg	atagggtt	tacctctcag	540
9244	gctgagggtc	acgcctctc	ccggggaaa	gaaaatttg	taaaggcggt	tatatacgat	600
9246	ttcattcttgc	cctcgccgc	acttccacat	attcagggtt	cttgaaggt	tagaccgtg	660
9248	aagtttccg	atgaggcg	tgtgaaagg	cgtgatgt	ggtttgc	cgtatggca	720
9250	ttcaaaagcg	aaacgcact	ttgttccaa	tcttggaa	atatccctt	cagggtttcc	780
9252	tgacaaatttgc	gaggcgtca	gccgttct	gaagctgg	gcgtcgccgc	actgcctgtc	840
9254	agacaaccgc	aaaatcg	tttccatca	aaccttgcg	ttggccaaga	ttagacccc	900
9256	gttacggcgg	ccttcatcag	taggtaaaa	ctaaccgatc	tcacgattat	ccaagccttgc	960
9258	ctcacgttgc	cctttagtgg	caatcaa	cttgcgttgc	gtgcaggtag	ccggaaagacc	1020
9260	cctcaatttgc	gtcccgcttc	tatcctctgc	cagaatcg	ttccctgg	gattcccttgc	1080
9262	acctctgtct	aatgcctgca	ctgaacgaa	tttgaattt	tagttaggt	acgttagatgt	1140
9264	tgcggcaagg	atagccgtc	cgaggacaa	taacccatgc	tcttgg	taaccatata	1200
9266	tccataccat	tgcgttgc	tcaagagac	attgtactc	tcctgtct	tgcataata	1260
9268	cgaaaaggcc	aacgcgcatt	ctacgctacc	aagctaaacc	aaacctaaaa	tttatataat	1320
9270	gtccatgttgc	ttcactgact	gggttgcgt	atcactaata	ctcgaaaagtc	ggtgccagca	1380
9272	ttcttcctat	gacgt					1395

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10590 <210> SEQ ID NO: 141

10591 <211> LENGTH: 171

10592 <212> TYPE: DNA

10593 <213> ORGANISM: Aspergillus nidulans *insert 12207*

10595 <223> OTHER INFORMATION: unsure at all n locations

E--> 10596 <400> SEQUENCE: 141

W--> 10598 agtagccagc ggtgtcaaga atctgaatac cgccccnnnn nnnnnnnnnn nnnnnnnnnn 60

10600 nnnnnnnnnn nnnnnnnnnn nnnnnnnctg cagcaacgga atgggtgtcg aaattattac 120

10602 tatacatcgaa gccagcacgc caggcaccgc cgctaaagcca gacaagtacg t 171

10785 <210> SEQ ID NO: 144

10786 <211> LENGTH: 1485

10787 <212> TYPE: DNA

10788 <213> ORGANISM: Aspergillus nidulans *insert 12207*

10790 <223> OTHER INFORMATION: unsure at all n locations

E--> 10791 <400> SEQUENCE: 144

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10795 taagccatc acgttaacac ctcttaccaa cctgtcacct cggccaagtc cactctccat 120

10797 ccgttcttg cgccgttggaa gcttgaagag ggtgtatggct gcacgcagca ctgtctttat 180

10799 acctggccat tgcatttgc tctttactat ccaaaaatttc ctgcgcgtat ctcccagaat 240

10801 tacaggccct gcttctaaac agatagtctc agccgtgaca gctgtccta tccgttgc 300

10803 gagaataacg gccagggtg ccctccgccc attttatatg gcaatccaag cactaaacga 360

10805 ttgcgtgcaaa ttgtatgaaac tcctcgcaga gcctacaccc caacgtcgag gtatataac 420

10807 tgcccggtca gtagcgcatt tagggctttg tacatgtac gcgcacgcgaa aactcaa 480

10809 catgttttta cgcctgagac catcggtata gtgttatctt ctaaaggac gtacctacca 540

10811 gcgttctga caactatattt attatacggtt taactttgca gatatagtct ttatgaaggt 600

10813 ttgcgtgcaaa tatgagccgtt caatttcgccc aggatatctt gggccactgg gggtgagatt 660

10815 gttggccacg tgatataaaat ggcctgatct ccaacccctg acgaactgac ccctcaat 720

10817 accgtatttga gagacacaga agaagagatt tatacgccaa gagatagata gtcatacg 780

10819 atatggcatc cgctccttag caagctacat ccgtgttagtt gatacagtt cttctgccc 840

10821 ttccctttt gggcgatcat gggcgatcat aacaatgcgaa ttattaccaa aaacaagtc 900

10823 ggtccaaataa ggccttaaaa cggcccgatcat gggcgatcat aacaatgcgaa ctgggggtcc 960

10825 tcgaagccggg ctcggctgtt cccgttaacgc ctgagtcctt tccccggccccc ccccccgtca 1020

10827 aatcactcctt ataaactctca aaattttccat cgtacctggg aatctctcaat tttttccaa 1080

10829 ttggcgctcc gcccaccgcacttccctt tccaggcgaa aagacagatca gcatgtcatc 1140

10831 tggaaaccatc cctcagaacgc agaagcaccc gcaaggacag ggcggccaa gctcccgatg 1200

10833 gcgtaacgcg cttggcaggactggctttt ggtatccctt ttcaccggct taatgaccgc 1260

10835 agtaatcggtt tgggtggcttg gaatcctgaa tgcagaaatg gcggtggaaag cgccttttgg 1320

10837 attttccat cgtatcgata tagacagcca ttggggaggag caccggaaag aggtgaaaga 1380

W--> 10839 cacttcatg gccagctggc acgcctacgc caaacatgcc tgggtaaga ngatcatcg 1440

10841 cttcaattc gcttctttt ctattttatttatttttgg tgggtttt 1485

11004 <210> SEQ ID NO: 149

11005 <211> LENGTH: 608

11006 <212> TYPE: DNA

11007 <213> ORGANISM: Aspergillus nidulans *insert 12207*

11009 <223> OTHER INFORMATION: unsure at all n locations

E--> 11010 <400> SEQUENCE: 149

11012 ctagaactaa gaacttaggaa tcaattacag gaagattcgg acaaagaata gatggctaac 60

11014 tacatcgatcat gccaactatt tcgaggctaa aggagtgtaa tcaaaagaaac gaataggc 120

11016 aactatggctt gctatggccc caggggtggg aagaatcagg caagccctag atcacctgca 180

RAW SEQUENCE LISTING DATE: 01/07/2004
 PATENT APPLICATION: US/09/404,520A TIME: 12:07:42

Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
 Output Set: N:\CRF4\01072004\I404520A.raw

11018 cgtccaccca gaagcgggtg tcgtcagact gatattcga atcactctca atctgctgt 240
 11020 gagtccatgc catagcgtcg atgtatcctc tagaagaata tcagtgaaga ccccccaaaa 300
W--> 11022 tcacaatcg tggatggcga gatactcgcc cttgatgtcc tcggtgaggg ngattgttca 360
 11024 caccagactc gcatttgcgg tggccgctga accagatctc atatcaaataat gttttcacc 420
 11026 ttcgtacgca gcttgaatat ccttggccaa gtcggagctt gcatccatcg ggtcaataga 480
 11028 gagacagagg cccgcgagct tgacccggaa gaagagccct tatttgagaa tggagccggt 540
 11030 atcgccctgg tgcgtatggcc tgcctagaca ctttgcgc caatgaccca gaatgaacaa 600
 11032 ttctgttt 608
 11279 <210> SEQ ID NO: 154
 11280 <211> LENGTH: 2081
 11281 <212> TYPE: DNA
 11282 <213> ORGANISM: Aspergillus nidulans *insert<2207*
 11284 <223> OTHER INFORMATION: unsure at all n locations
E--> 11285 <400> SEQUENCE: 154
 11287 tgcctcggat actcgaaaga gtaacatgtc ggtgtgcagc agcggcgaga gaacccaaacc 60
 11289 gttcccttt tgatacatgt ctcccagttt aggatacagg taaccaggta atcaacaact 120
 11291 tggatgatac tgcctgtatgg cctcgatgg ctcgacaggcc cgcgcgttgg acataaaaaag 180
 11293 atcaatatcc cgcagtttag ggtatctatg aatgggttca cttaccctgg cgttgagggtt 240
 11295 cgttgaaaca ccctcgactt tgggagtgtct tcgaactccc aagtctcag cttgaagcgc 300
 11297 agacccggagg ccgctgttagg cacgaagcac tgggtgcgcgt cgtggccgc taatcgata 360
 11299 ccatggacg atgatactga gtcgtttgc gtgaacgagc acacggctgg cttctggctg 420
 11301 cggagaaac ttaagaggca ttatccttga gtctacgtat gatgatatgc tcgtacaaga 480
 11303 ggcacctgg aaccctgttt cactcttggc ccacccatc acgtatctgc agacacggta 540
 11305 agatatacca ccattgaaaaa agggtaacg tacttgttcc ggaatcagac atttaaactc 600
 11307 tggatggcagt ccgtccatgt tttggtagag gggttggatg gtgtgcggag gttttaaaa 660
 11309 gaaatgctag ctggggaaac atggctttct tttataatca ttctaccctg agcttaccta 720
 11311 acagcacaga atagcctact tcctgcctag cggaaaaacat atctagacat agatagatct 780
 11313 cctgctctga tcctccccct ctagccgcac ctaaacccaa caacacccctt gacatcagtc 840
 11315 ttcccacact aattcttgcata gaaactgacg atctcggtt cccctttc cgcacatcgat 900
 11317 ggtggagcc cgtaaacgtt ccagttttc tcactgcaga gtggcttcc ccaatttggc 960
 11319 aggtatgtt tgaggcagct cagccctcccg aaattgactt tatttttgc ggttatctgt 1020
 11321 tatgaatgtt caaaggggaa agggtagaaag gaagctgcattt caactacacg aacgttagct 1080
 11323 actaaggata ggtatgcata agacgattga ttctctatct tggatgcgtt agttctcact 1140
 11325 tcttcaatgtt acaactccctt gggatcag gccaggggcc agagatcatg ccatacagat 1200
 11327 cacgtggcac gtgacacgag gctcaacatg atatattcgtt atcagatcc tatgtgataa 1260
 11329 gtctgttctt cctcgatccaa aaatcaccaa cagtattat cgtttatgc tggatgcgtt 1320
 11331 agtatgttag atatataacc tcacttctat aactatagat ttggataca ggtacagaac 1380
 11333 catgttgc tatgttaggtt cataagccag tgcataact taattcaatt ttcttgcacaa 1440
 11335 gagactgaca aacattgtgtt atcattgcgtt cttttaaatgta cggcatactg ttcgaacaaa 1500
 11337 agggcaaaaaa cgtatttaac acgtaacgag tttgtaccag ctcagattctt gccagcagaa 1560
 11339 atttgattac atatgcagga tagttgtctt agtttccaccc actgttactt catccataac 1620
 11341 accacgtaaa ggtcaagct atgctcaggt gaggtacaca gcccgtaccc ctggcagtg 1680
 11343 ctgggtttcg tacaggaaaaa tcaagaaagc tcgtacggac cttataagac aatcggttt 1740
 11345 tcctcatccc cttcaggaa atcaaggtagt ataggattttt cagcctcacc ttccactgg 1800
 11347 tcaagattga taaccagctg gtttgcagcc ccctgggtt gaccaagccca atcacaac 1860
 11349 atacccctgccc agtgcgtc tcgtacggag cagcaatgcc catggtcacg ccatttacaa 1920
 11351 ttggcgcagc atccgttgcata tgcccccaggc acatggcgc attcaggaa gactggctt 1980
 11353 tcttgacggc gcccacccatctt tttacaggctt ggtcagacga gtcacccaga ctgtatagca 2040
W--> 11355 ttgcattgtt gtcnangggc cgggtttgcataattgtatgc a 2081

RAW SEQUENCE LISTING
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Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
Output Set: N:\CRF4\01072004\I404520A.raw

11958 <210> SEQ ID NO: 166
11959 <211> LENGTH: 173

11960 <212> TYPE: DNA

11961 <213> ORGANISM: Aspergillus nidulans

Insert 12207

11963 <223> OTHER INFORMATION: unsure at all n locations

E--> 11964 <400> SEQUENCE: 166

11966 taaaggatc tagaatcggtt attatgagtt tgataaggaa aagcacatgg aatacattgg 60

W--> 11968 aaattagtgc tataaggcat cgctangaca gaaggcagaa tactgtgttgc tatagggtcc 120

11970 gagagaatga ctgtttagtc gatgtgttca ttatgtgtt ccatttttagt cag 173

13005 <210> SEQ ID NO: 177

13006 <211> LENGTH: 712

13007 <212> TYPE: DNA

13008 <213> ORGANISM: Aspergillus nidulans

Insert 12207

13010 <223> OTHER INFORMATION: unsure at all n locations

E--> 13011 <400> SEQUENCE: 177

13013 cctcgacaa caagggtctac ttccagctgc accagaacgg ctcctcgaca gttaacacgg 60

13015 gccccaatgg attggagcgt ctgcactaca tcatctctgg ggccgagaag cgcggatca 120

13017 agttggcat cccgttgggt aactactggg acgactttgg tgcatgttgcatca 180

13019 ggcctatgg cggcgacaa cccggctgggt acaccaatga taagattcgt gctgcatac 240

13021 acgcctacgt caaggccgtg gtgagccgtc atgttgactc cggcaatct ttgcctggg 300

13023 gttggcaat gagccccgt gcagttgggtt cggacacgtcc atcatcaatc agtggggc 360

13025 gaaaaccaggc agcttcattaa aatccctggaa tccaaaccat atggtagcca tggcgacgg 420

13027 ttagtccctt gaatctccctt ctctctggc ttagaccggc gctaagaggg gatctcttt 480

13029 agagggcatg ggcctccctg gtgacagcaa ctatccctac tcctactacg aaggcaacga 540

13031 ctttgactg aaccttgcca tccggacat tgactttggc acttccatc tctacaccac 600

W--> 13033 cgactgtacg tatctncggg atgacccagt tctgcgttct ctctccatat cgggtgctaa 660

13035 tgacttccag gggcggttag caacaactcg tggggcaaca agtgggtaca ag 712

13632 <210> SEQ ID NO: 183

13633 <211> LENGTH: 1245

13634 <212> TYPE: DNA

13635 <213> ORGANISM: Aspergillus nidulans

Insert 12207

13637 <223> OTHER INFORMATION: unsure at all n locations

E--> 13638 <400> SEQUENCE: 183

13640 atgataagca cagcgtatcc cgcttgggtt aacgacggcg agggatagc accggactt 60

13642 ataacatcg tgcgtaaaagc tccgacctct cattgagttt ccgtatgttgc tctgcctcaa 120

13644 agaaatagaa aagatttggg tgaccgttaag acaaacacac ggaatggc ac aagcaaggcc 180

13646 agcgagtgtc tctggaccga cagtggaggt gtcaagacag ggcgagacgc acgttatgg 240

13648 atgatcggtt ctagttgtcc ctgttaagaaa catcgaaatgg ggttgcgtca ttgcactaca 300

13650 agtataacgca tcttgagtgg ctgaacggag gaaaacggc agaaccgc t cagtaacacgc 360

13652 tgagcctcgat gatgtgttca atctgcattt taatttttc tcagcacatg gacagtttct 420

13654 gttggccgtt gtcggccctt ctttaagtaga ggttccgtt gtcggccataga tcagactg 480

13656 tccggataa aaggtcacat ctcccttcaa gcgtcaatg tacttacggg aaacatggaa 540

13658 acatgagtca acttgcagaaa gtggccatag ctttgcattt tccgttgcag gtcggccact 600

13660 tggtaagctc acttctttgtt cgagttactga atataccat atttcaaga gaattatgg 660

13662 tggctgttc gtgagttgtc gatgtgttca acgttgcatac tcaagaccgg tgcttggat 720

13664 tgccgaaatc cttgcgttgc cccgttaagat gcaacgtt ggtatctccc tggcaaggaa 780

13666 ctcttggca acttaagacc tattttcaat catggaaatca gcaatcattt agtggatgt 840

13668 gagtgatttc gaagaagttt acttgcgtt ggttggaaa acagaacgc tgggtccaca 900

13670 ccaaattggctt gaccggcgac catccctac tcggaaagagg aatcacgtt ctgtgtatgt 960

IMPORTANT

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

IMPORTANT

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/404,520A

DATE: 01/07/2004
TIME: 12:07:42

Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
Output Set: N:\CRF4\01072004\I404520A.raw

13672 catcggttcc acgtgatgca cgcgccgtct tgagcttccc caagctgggt actgggagaa 1020
13674 gcttcagggtt tcagcattaa gggtcttggt caatgtcaact gaccccggt tagcgtccta 1080
W--> 13676 **tcaatctcaa tctagcttcc agcgctttt caagtccatc gccggtactg tttcgatca** 1140
13678 ccatcgctat ctnccgtgt atcacggttt tccggcggtcc caccgagctt tcgctccta 1200
13680 gccgcctgg tccctccttc agctcagttt ctgtctgacc tagcg 1245

IMPORTANT The types of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

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ent

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<210> 44347 last sequence in submitted file
<211> 21
<212> DNA
<213> Aspergillus nidulans

<400> 44347

gttctcgaga cgagcgatcg c

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VARIABLE LOCATION SUMMARY
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Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
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Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:24; N Pos. 211
Seq#:28; N Pos. 664
Seq#:33; N Pos. 1020
Seq#:37; N Pos. 1168
Seq#:45; N Pos. 586,757,758
Seq#:47; N Pos. 6706
Seq#:51; N Pos. 274
Seq#:80; N Pos. 3456,3461
Seq#:84; N Pos. 619,624
Seq#:108; N Pos. 188
Seq#:117; N Pos. 750
Seq#:120; N Pos. 75
Seq#:129; N Pos. 656
Seq#:141; N Pos. 36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54
Seq#:141; N Pos. 55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73
Seq#:141; N Pos. 74,75,76,77,78,79,80,81,82,83,84,85,86,87
Seq#:144; N Pos. 1431
Seq#:149; N Pos. 351
Seq#:154; N Pos. 2054,2056
Seq#:166; N Pos. 86
Seq#:177; N Pos. 616
Seq#:183; N Pos. 1109,1153
Seq#:195; N Pos. 4195
Seq#:197; N Pos. 830
Seq#:205; N Pos. 3103
Seq#:209; N Pos. 785,793,824
Seq#:220; N Pos. 16,33,34,74
Seq#:233; N Pos. 447
Seq#:236; N Pos. 146
Seq#:245; N Pos. 316,411
Seq#:275; N Pos. 502
Seq#:285; N Pos. 1544
Seq#:304; N Pos. 912
Seq#:310; N Pos. 671
Seq#:324; N Pos. 1508
Seq#:325; N Pos. 1222,1223,2378,2382,2427,2608
Seq#:334; N Pos. 803,807
Seq#:347; N Pos. 2863
Seq#:355; N Pos. 5912
Seq#:360; N Pos. 2289
Seq#:363; N Pos. 18
Seq#:365; N Pos. 519
Seq#:367; N Pos. 2039

VARIABLE LOCATION SUMMARY
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Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
Output Set: N:\CRF4\01072004\I404520A.raw

Seq#:403; N Pos. 73
Seq#:425; N Pos. 620
Seq#:426; N Pos. 1004
Seq#:439; N Pos. 47,50,68,138,162,165,243,250,264,272,298,299,301,302,334
Seq#:439; N Pos. 385,420,463,489,493,573
Seq#:441; N Pos. 423
Seq#:457; N Pos. 669
Seq#:460; N Pos. 4388,4397

VERIFICATION SUMMARY
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Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
Output Set: N:\CRF4\01072004\I404520A.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1363 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:24
L:1363 M:283 W: Missing Blank Line separator, <400> field identifier
L:1371 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
L:1371 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:24
L:1371 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:24
L:1371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:180
L:1560 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:28
L:1560 M:283 W: Missing Blank Line separator, <400> field identifier
L:1584 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:28
L:1584 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:28
L:1584 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:28
L:1584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:660
L:1925 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:33
L:1925 M:283 W: Missing Blank Line separator, <400> field identifier
L:1959 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:33
L:1959 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:33
L:1959 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:33
L:1959 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:960
L:2066 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:37
L:2066 M:283 W: Missing Blank Line separator, <400> field identifier
L:2106 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:37
L:2106 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:37
L:2106 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:37
L:2106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:1140
L:2411 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:45
L:2411 M:283 W: Missing Blank Line separator, <400> field identifier
L:2431 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:45
L:2431 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:45
L:2431 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:45
L:2431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:540
M:341 Repeated in SeqNo=45
L:2468 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:47
L:2468 M:283 W: Missing Blank Line separator, <400> field identifier
L:2692 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:47
L:2692 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:47
L:2692 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:47
L:2692 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:6660
L:2783 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:51
L:2783 M:283 W: Missing Blank Line separator, <400> field identifier
L:2793 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:51
L:2793 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:51
L:2793 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:51
L:2793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:240
L:7706 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:80
L:7706 M:283 W: Missing Blank Line separator, <400> field identifier
L:7822 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:80

VERIFICATION SUMMARY

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Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
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L:7822 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:80
L:7822 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:80
L:7822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:3420
L:8087 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:84
L:8087 M:283 W: Missing Blank Line separator, <400> field identifier
L:8109 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:84
L:8109 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:84
L:8109 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:84
L:8109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:600
L:9224 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:108
L:9224 M:283 W: Missing Blank Line separator, <400> field identifier
L:9232 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:108
L:9232 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:108
L:9232 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:108
L:9232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108 after pos.:180
L:9721 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:117
L:9721 M:283 W: Missing Blank Line separator, <400> field identifier
L:9747 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:117
L:9747 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:117
L:9747 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:117
L:9747 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:720
L:9832 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:120
L:9832 M:283 W: Missing Blank Line separator, <400> field identifier
L:9836 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:120
L:9836 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:120
L:9836 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:120
L:9836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:60
L:10081 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:129
L:10081 M:283 W: Missing Blank Line separator, <400> field identifier
L:10103 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:129
L:10103 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:129
L:10103 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:129
L:10103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:129 after pos.:600
L:10596 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:141
L:10596 M:283 W: Missing Blank Line separator, <400> field identifier
L:10598 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:141
L:10598 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:141
L:10598 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:141
L:10598 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:141 after pos.:0
M:341 Repeated in SeqNo=141
L:10791 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:144
L:10791 M:283 W: Missing Blank Line separator, <400> field identifier
L:10839 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:144
L:10839 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:144
L:10839 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:144
L:10839 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:144 after pos.:1380
L:11010 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:149
L:11010 M:283 W: Missing Blank Line separator, <400> field identifier
L:11022 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:149

VERIFICATION SUMMARY

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Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
Output Set: N:\CRF4\01072004\I404520A.raw

L:11022 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:149
L:11022 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:149
L:11022 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:149 after pos.:300
L:11285 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:154
L:11285 M:283 W: Missing Blank Line separator, <400> field identifier
L:11355 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:154
L:11355 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:154
L:11355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154 after pos.:2040
L:11964 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:166
L:11964 M:283 W: Missing Blank Line separator, <400> field identifier
L:11968 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:166 after pos.:60
L:13011 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:177
L:13011 M:283 W: Missing Blank Line separator, <400> field identifier
L:13033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:177 after pos.:600
L:13638 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:183
L:13638 M:283 W: Missing Blank Line separator, <400> field identifier
L:13676 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:1080
M:341 Repeated in SeqNo=183
L:14911 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:195
L:14911 M:283 W: Missing Blank Line separator, <400> field identifier
L:15051 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:4140
L:15118 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:197
L:15118 M:283 W: Missing Blank Line separator, <400> field identifier
L:15146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:197 after pos.:780
L:15673 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:205
L:15673 M:283 W: Missing Blank Line separator, <400> field identifier
L:15777 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205 after pos.:3060
L:16028 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:209
L:16028 M:283 W: Missing Blank Line separator, <400> field identifier
L:16056 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:209 after pos.:780
L:16661 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:220
L:16661 M:283 W: Missing Blank Line separator, <400> field identifier
L:16663 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:220 after pos.:0
M:341 Repeated in SeqNo=220
L:17374 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:233
L:17374 M:283 W: Missing Blank Line separator, <400> field identifier
L:17390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:233 after pos.:420
L:17457 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:236
L:17457 M:283 W: Missing Blank Line separator, <400> field identifier
L:17463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:236 after pos.:120
L:17884 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:245
L:17884 M:283 W: Missing Blank Line separator, <400> field identifier
L:17896 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:245 after pos.:300
M:341 Repeated in SeqNo=245
L:19129 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:275
L:19129 M:283 W: Missing Blank Line separator, <400> field identifier
L:19147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:275 after pos.:480
L:19734 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:285
L:19734 M:283 W: Missing Blank Line separator, <400> field identifier

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/404,520A

DATE: 01/07/2004
TIME: 12:08:40

Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
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L:19786 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:285 after pos.:1500
L:20987 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:304
L:20987 M:283 W: Missing Blank Line separator, <400> field identifier
L:21019 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:304 after pos.:900
L:21306 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:310
L:21306 M:283 W: Missing Blank Line separator, <400> field identifier
L:21330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:310 after pos.:660
L:21915 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:324
L:21915 M:283 W: Missing Blank Line separator, <400> field identifier
L:21967 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:324 after pos.:1500
L:21988 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:325
L:21988 M:283 W: Missing Blank Line separator, <400> field identifier
L:22030 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:325 after pos.:1200
M:341 Repeated in SeqNo=325
L:22577 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:334
L:22577 M:283 W: Missing Blank Line separator, <400> field identifier
L:22605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:334 after pos.:780
L:23450 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:347
L:23450 M:283 W: Missing Blank Line separator, <400> field identifier
L:23546 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:347 after pos.:2820
L:24201 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:355
L:24201 M:283 W: Missing Blank Line separator, <400> field identifier
L:24399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:355 after pos.:5880
L:24620 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:360
L:24620 M:283 W: Missing Blank Line separator, <400> field identifier
L:24698 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:360 after pos.:2280
L:24853 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:363
L:24853 M:283 W: Missing Blank Line separator, <400> field identifier
L:24855 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:363 after pos.:0
L:25104 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:365
L:25104 M:283 W: Missing Blank Line separator, <400> field identifier
L:25122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:365 after pos.:480
L:25187 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:367
L:25187 M:283 W: Missing Blank Line separator, <400> field identifier
L:25255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:367 after pos.:1980
L:28090 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:403
L:28090 M:283 W: Missing Blank Line separator, <400> field identifier
L:28094 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:403 after pos.:60
L:30085 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:425
L:30085 M:283 W: Missing Blank Line separator, <400> field identifier
L:30107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:425 after pos.:600
L:30118 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:426
L:30118 M:283 W: Missing Blank Line separator, <400> field identifier
L:30152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:426 after pos.:960
L:30961 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:439
L:30961 M:283 W: Missing Blank Line separator, <400> field identifier
L:31028 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:441
L:31028 M:283 W: Missing Blank Line separator, <400> field identifier
L:32189 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:457

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L:32189 M:283 W: Missing Blank Line separator, <400> field identifier
L:32294 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:460
L:32294 M:283 W: Missing Blank Line separator, <400> field identifier
L:32535 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:463
L:32535 M:283 W: Missing Blank Line separator, <400> field identifier
L:32598 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:464
L:32598 M:283 W: Missing Blank Line separator, <400> field identifier
L:13 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (44345) Counted (44347)